



TORQ Analysis of Machine Feeders and Offbearers to Sawing Machine Setters, Operators, and Tenders, Wood

INPUT SECTION:

Transfer	Title	O*NET	Filters		
From Title:	Machine Feeders and Offbearers	53-7063.00	Abilities:	Importance Level: 50	Weight: 1
To Title:	Sawing Machine Setters, Operators, and Tenders, Wood	51-7041.00	Skills:	Importance Level: 69	Weight: 1
Labor Market Area:	Maine Statewide		Knowledge:	Importance Level: 69	Weight: 1

OUTPUT SECTION:

Grand TORQ:

90

Ability TORQ				Skills TORQ				Knowledge TORQ			
Level			95	Level			85	Level			91
Gaps To Narrow if Possible				Upgrade These Skills				Knowledge to Add			
Ability	Level	Gap	Impt	Skill	Level	Gap	Impt	Knowledge	Level	Gap	Impt
Oral Comprehension	48	6	56	Operation and Control	53	1	71	No Knowledge Upgrades Required!			
Oral Expression	48	6	56								
Arm-Hand Steadiness	48	4	72								
Problem Sensitivity	42	3	53								
Deductive Reasoning	39	2	50								
Inductive Reasoning	39	2	50								
Category Flexibility	41	2	50								

LEVEL and IMPT (IMPORTANCE) refer to the Target Sawing Machine Setters, Operators, and Tenders, Wood. GAP refers to level difference between Machine Feeders and Offbearers and Sawing Machine Setters, Operators, and Tenders, Wood.

ASK ANALYSIS

Ability Level Comparison - Abilities with importance scores over 50

Description	Machine Feeders and Offbearers	Sawing Machine Setters, Operators, and Tenders, Wood	Importance
Arm-Hand Steadiness	44	48	72
Control Precision	53	50	72
Near Vision	46	46	62



Finger Dexterity	46	42	59
Oral Comprehension	42	48	56
Oral Expression	42	48	56
Manual Dexterity	46	42	56
Problem Sensitivity	39	42	53
Multilimb Coordination	46	46	53
Trunk Strength	44	41	53
Deductive Reasoning	37	39	50
Inductive Reasoning	37	39	50
Category Flexibility	39	41	50
Selective Attention	44	41	50
Rate Control	44	34	50
Speech Clarity	35	35	50
Skill Level Comparison - Abilities with importance scores over 69			
Description	Machine Feeders and Offbearers	Sawing Machine Setters, Operators, and Tenders, Wood	Importance
Operation and Control	52	53	71
Knowledge Level Comparison - Knowledge with importance scores over 69			
Description	Machine Feeders and Offbearers	Sawing Machine Setters, Operators, and Tenders, Wood	Importance

Experience & Education Comparison						
Related Work Experience Comparison			Required Education Level Comparison			
Description		Machine Feeders and Offbearers	Sawing Machine Setters, Operators, and Tenders, Wood	Description	Machine Feeders and Offbearers	Sawing Machine Setters, Operators, and Tenders, Wood
10+ years	0%	1%		Doctoral	0%	0%
8-10 years	0%	0%		Professional Degree	0%	0%
6-8 years	0%	0%		Post-Masters Cert	0%	0%
4-6 years	0%	0%		Master's Degree	0%	0%
2-4 years	0%	8%		Post-Bachelor Cert	0%	0%
1-2 years	8%	11%		Bachelors	0%	0%
6-12 months	0%	13%		AA or Equiv	7%	0%
3-6 months	11%	12%		Some College	0%	1%
1-3 months	3%	12%		Post-Secondary Certificate	8%	10%
0-1 month	26%	11%		High Scool Diploma or GED	61%	40%
None	48%	29%		No HSD or GED	22%	48%
Machine Feeders and Offbearers			Sawing Machine Setters, Operators, and Tenders, Wood			
Most Common Educational/Training Requirement:						
Short-term on-the-job training			Moderate-term on-the-job training			
Job Zone Comparison						



1 - Job Zone One: Little or No Preparation Needed

No previous work-related skill, knowledge, or experience is needed for these occupations. For example, a person can become a cashier even if he/she has never worked before.

These occupations may require a high school diploma or GED certificate. Some may require a formal training course to obtain a license.

Employees in these occupations need anywhere from a few days to a few months of training. Usually, an experienced worker could show you how to do the job.

2 - Job Zone Two: Some Preparation Needed

Some previous work-related skill, knowledge, or experience may be helpful in these occupations, but usually is not needed. For example, a teller might benefit from experience working directly with the public, but an inexperienced person could still learn to be a teller with little difficulty.

These occupations usually require a high school diploma and may require some vocational training or job-related course work. In some cases, an associate's or bachelor's degree could be needed.

Employees in these occupations need anywhere from a few months to one year of working with experienced employees.

Tasks

Machine Feeders and Offbearers

Core Tasks

Generalized Work Activities:

- Handling and Moving Objects - Using hands and arms in handling, installing, positioning, and moving materials, and manipulating things.
- Performing General Physical Activities - Performing physical activities that require considerable use of your arms and legs and moving your whole body, such as climbing, lifting, balancing, walking, stooping, and handling of materials.
- Inspecting Equipment, Structures, or Material - Inspecting equipment, structures, or materials to identify the cause of errors or other problems or defects.
- Monitor Processes, Materials, or Surroundings - Monitoring and reviewing information from materials, events, or the environment, to detect or assess problems.
- Controlling Machines and Processes - Using either control mechanisms or direct physical activity to operate machines or processes (not including computers or vehicles).

Specific Tasks

Occupation Specific Tasks:

- Add chemicals, solutions, or ingredients to machines or equipment as required by the manufacturing process.
- Clean and maintain machinery, equipment, and work areas to ensure proper functioning and safe working conditions.
- Fasten, package, or stack materials and products, using hand tools and fastening equipment.
- Identify and mark materials, products, and samples, following instructions.
- Inspect materials and products for defects, and to ensure conformance to

Sawing Machine Setters, Operators, and Tenders, Wood

Core Tasks

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- Controlling Machines and Processes - Using either control mechanisms or direct physical activity to operate machines or processes (not including computers or vehicles).
- Handling and Moving Objects - Using hands and arms in handling, installing, positioning, and moving materials, and manipulating things.
- Inspecting Equipment, Structures, or Material - Inspecting equipment, structures, or materials to identify the cause of errors or other problems or defects.
- Performing General Physical Activities - Performing physical activities that require considerable use of your arms and legs and moving your whole body, such as climbing, lifting, balancing, walking, stooping, and handling of materials.
- Monitor Processes, Materials, or Surroundings - Monitoring and reviewing information from materials, events, or the environment, to detect or assess problems.

Specific Tasks

Occupation Specific Tasks:

- Adjust bolts, clamps, stops, guides, and table angles and heights, using hand tools.
- Adjust saw blades, using wrenches and rulers, or by turning handwheels or pressing pedals, levers, or panel buttons.
- Clear machine jams, using hand tools.
- Count, sort, and stack finished workpieces.
- Cut grooves, bevels, and miters, saw curved or irregular designs, and sever or shape metals, according to specifications or work orders.
- Dispose of waste material after completing work assignments.



specifications.

- Load materials and products into machines and equipment, or onto conveyors, using hand tools and moving devices.
- Open and close gates of belt and pneumatic conveyors on machines that are fed directly from preceding machines.
- Push dual control buttons and move controls in order to start, stop, or adjust machinery and equipment.
- Record production and operational data, such as amount of materials processed.
- Remove materials and products from machines and equipment, and place them in boxes, trucks or conveyors, using hand tools and moving devices.
- Shovel or scoop materials into containers, machines, or equipment for processing, storage, or transport.
- Transfer materials and products to and from machinery and equipment, using industrial trucks or hand trucks.
- Weigh or measure materials or products to ensure conformance to specifications.

Detailed Tasks

Detailed Work Activities:

- attach or mark identification onto products or containers
- clean equipment or machinery
- clean rooms or work areas
- examine products or work to verify conformance to specifications
- load or unload material or workpiece into machinery
- load, unload, or stack containers, materials, or products
- maintain production or work records
- measure, weigh, or count products or materials
- move or fit heavy objects
- operate hoist, winch, or hydraulic boom
- perform safety inspections in manufacturing or industrial setting
- sort manufacturing materials or products
- use hand or power tools

- Examine blueprints, drawings, work orders, or patterns to determine equipment set-up and selection details, procedures to be used, and dimensions of final products.
- Examine logs or lumber in order to plan the best cuts.
- Guide workpieces against saws, saw over workpieces by hand, or operate automatic feeding devices to guide cuts.
- Inspect and measure workpieces to mark for cuts and to verify the accuracy of cuts, using rulers, squares, or caliper rules.
- Inspect stock for imperfections and to estimate grades or qualities of stock or workpieces.
- Lubricate and clean machines, using wrenches, grease guns, and solvents.
- Measure and mark stock for cuts.
- Monitor sawing machines, adjusting speed and tension and clearing jams to ensure proper operation.
- Mount and bolt sawing blades or attachments to machine shafts.
- Operate panelboards of saw and conveyor systems to move stock through processes, and to cut stock to specified dimensions.
- Position and clamp stock on tables, conveyors, or carriages, using hoists, guides, stops, dogs, wedges, and wrenches.
- Pull tables back against stops, and depress pedals to advance cutterheads that shape stock ends.
- Select saw blades, types and grades of stock, and cutting procedures to be used, according to work orders or supervisors' instructions.
- Set up, operate, or tend saws and machines that cut or trim wood to specified dimensions, such as circular saws, band saws, multiple-blade sawing machines, scroll saws, rip saws, and crozer machines.
- Sharpen blades or replace defective or worn blades and bands, using hand tools.
- Trim lumber to straighten rough edges and remove defects, using circular saws.
- Unclamp and remove finished workpieces from tables.
- Unload and roll logs from trucks to sawmill decks or to carriages, or move logs in ponds, using pike poles.

Detailed Tasks

Detailed Work Activities:

- adjust production equipment/machinery setup
- clean equipment or machinery
- examine products or work to verify conformance to specifications



- fell or buck trees
- grade, classify, or sort products according to specifications
- inspect machinery or equipment to determine adjustments or repairs needed
- install equipment or attachments on machinery or related structures
- load or unload material or workpiece into machinery
- load, unload, or stack containers, materials, or products
- maintain consistent production quality
- measure, weigh, or count products or materials
- move or fit heavy objects
- operate hoist, winch, or hydraulic boom
- operate woodworking equipment/machinery
- read blueprints
- read specifications
- read technical drawings
- read work order, instructions, formulas, or processing charts
- recognize wood species characteristics
- set up production equipment or machinery
- sort manufacturing materials or products
- understand technical operating, service or repair manuals
- use chain saws
- use fire suppression equipment
- use hand or power tools
- use precision measuring tools or equipment

Labor Market Comparison

Description	Machine Feeders and Offbearers	Sawing Machine Setters, Operators, and Tenders, Wood	Difference
Median Wage	\$ 26,820	\$ 24,790	\$(2,030)
10th Percentile Wage	\$ 19,120	\$ 18,890	\$(230)
25th Percentile Wage	N/A	N/A	N/A
75th Percentile Wage	\$ 29,840	\$ 29,970	\$ 130
90th Percentile Wage	\$ 35,200	\$ 35,380	\$ 180
Mean Wage	\$ 26,870	\$ 25,920	\$(950)
Total Employment - 2007	480	700	220
Employment Base - 2006	485	765	280
Projected Employment - 2016	378	706	328



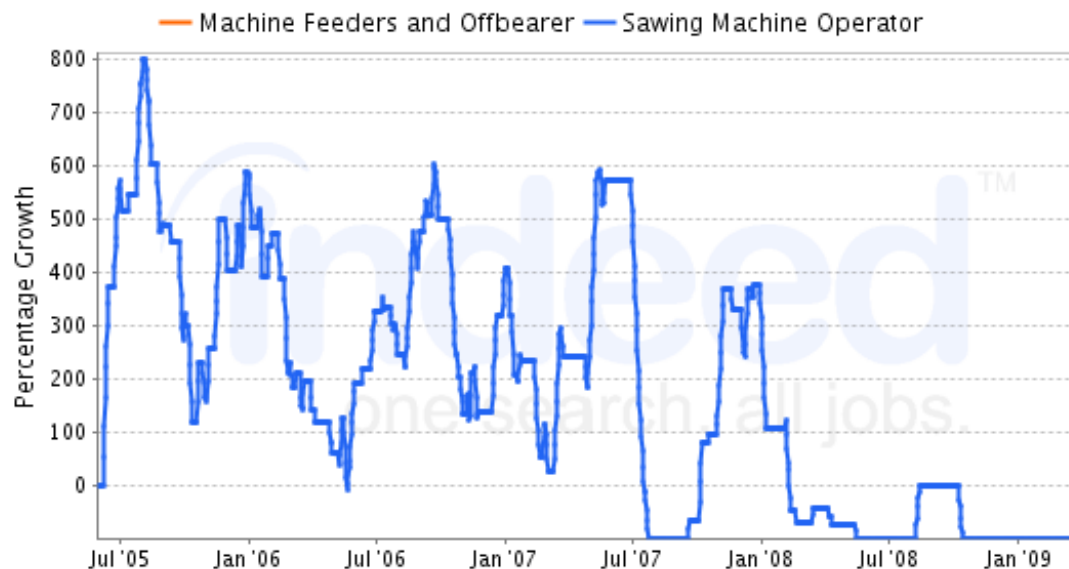
Projected Job Growth - 2006-2016	-22.1 %	-7.7 %	14.4 %
Projected Annual Openings - 2006-2016	9	15	6

National Job Posting Trends

Trend for Machine Feeders and Offbearers

Trend for
Sawing
Machine
Setters,
Operators,
and
Tenders,
Wood

Job Trends from Indeed.com

Data from [Indeed](http://Indeed.com)

Recommended Programs

Cabinet Maker and Millworker

Cabinetmaking and Millwork/Millwright. A program that prepares individuals to apply technical knowledge and skills to set up, operate and repair industrial woodworking machinery, and to use such machinery to design and fabricate wooden components and complete articles.

No schools available for the program

Maine Statewide Promotion Opportunities for Machine Feeders and Offbearers

O*NET Code	Title	Grand TORQ	Job Zone	Employment	Median Wage	Difference	Growth	Annual Job Openings
53-7063.00	Machine Feeders and Offbearers	100	1	480	\$26,820.00	\$0.00	-22%	9



51-9041.00	Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders	90	2	260	\$28,330.00	\$1,510.00	-7%	5
51-9196.00	Paper Goods Machine Setters, Operators, and Tenders	90	2	910	\$38,230.00	\$11,410.00	-26%	23
51-9051.00	Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders	88	2	300	\$32,980.00	\$6,160.00	-18%	9
51-2021.00	Coil Winders, Tapers, and Finishers	88	2	90	\$31,910.00	\$5,090.00	-53%	1
51-9032.00	Cutting and Slicing Machine Setters, Operators, and Tenders	87	2	710	\$31,350.00	\$4,530.00	-23%	12
51-9191.00	Cementing and Gluing Machine Operators and Tenders	87	1	80	\$27,620.00	\$800.00	-15%	2
51-4023.00	Rolling Machine Setters, Operators, and Tenders, Metal and Plastic	87	2	0	\$33,460.00	\$6,640.00	0%	0
51-4122.00	Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders	87	2	120	\$36,960.00	\$10,140.00	2%	3
51-9121.00	Coating, Painting, and Spraying Machine Setters, Operators, and Tenders	87	2	850	\$38,860.00	\$12,040.00	-26%	19
51-5021.00	Job Printers	86	3	140	\$31,890.00	\$5,070.00	-10%	2
51-9023.00	Mixing and Blending Machine Setters, Operators, and Tenders	86	1	420	\$36,040.00	\$9,220.00	-9%	7
51-4032.00	Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic	85	2	100	\$33,030.00	\$6,210.00	-22%	2



51-4034.00	Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and Plastic	85	3	110	\$34,350.00	\$7,530.00	-9%	2
51-4121.07	Solderers and Brazers	85	2	1,610	\$38,030.00	\$11,210.00	7%	49

Top Industries for Sawing Machine Setters, Operators, and Tenders, Wood

Industry	NAICS	% in Industry	Employment	Projected Employment	% Change
Other wood product manufacturing	321900	26.55%	17,269	17,901	3.66%
Sawmills and wood preservation	321100	25.90%	16,845	14,856	-11.81%
Veneer, plywood, and engineered wood product manufacturing	321200	12.25%	7,969	9,546	19.78%
Self-employed workers, primary job	000601	7.11%	4,624	5,419	17.19%
Wood kitchen cabinet and countertop manufacturing	337110	5.97%	3,881	4,726	21.79%
Household and institutional furniture manufacturing	337120	5.22%	3,395	2,842	-16.30%
Office furniture (including fixtures) manufacturing	337200	3.32%	2,159	2,233	3.43%
Lumber and other construction materials merchant wholesalers	423300	2.03%	1,317	1,664	26.35%
Building material and supplies dealers	444100	1.42%	922	1,296	40.57%
Employment services	561300	1.09%	708	985	39.22%
Self-employed workers, secondary job	000602	0.90%	584	640	9.51%
Motor vehicle parts manufacturing	336300	0.25%	163	143	-12.42%
Motor vehicle body and trailer manufacturing	336200	0.24%	157	169	7.63%
Management of companies and enterprises	551100	0.12%	80	102	26.80%

Top Industries for Machine Feeders and Offbearers

Industry	NAICS	% in Industry	Employment	Projected Employment	% Change
Printing and related support activities	323100	8.45%	12,487	8,904	-28.69%
Newspaper publishers	511110	6.58%	9,719	7,493	-22.90%
Converted paper product manufacturing	322200	6.30%	9,315	7,036	-24.47%
Other wood product manufacturing	321900	5.62%	8,311	7,048	-15.19%
Plastics product manufacturing	326100	4.99%	7,369	7,030	-4.60%
Sawmills and wood preservation	321100	4.82%	7,129	5,144	-27.84%



Veneer, plywood, and engineered wood product manufacturing	321200	4.54%	6,716	6,582	-2.00%
Animal slaughtering and processing	311600	3.07%	4,541	4,664	2.71%
Pharmaceutical and medicine manufacturing	325400	2.77%	4,088	4,637	13.42%
Bakeries and tortilla manufacturing	311800	2.52%	3,716	3,417	-8.07%
Coating, engraving, heat treating, and allied activities	332800	1.91%	2,829	2,087	-26.23%
Pulp, paper, and paperboard mills	322100	1.76%	2,595	1,620	-37.57%
Fruit and vegetable preserving and specialty food manufacturing	311400	1.62%	2,389	1,949	-18.40%
Household and institutional furniture manufacturing	337120	1.43%	2,112	1,447	-31.52%
Glass and glass product manufacturing	327200	0.98%	1,450	1,139	-21.48%